ADE IT Modernization Effort Update

Presented to:

ASCUS General Meeting

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How many of you trust that the data in SAIS is accurate?
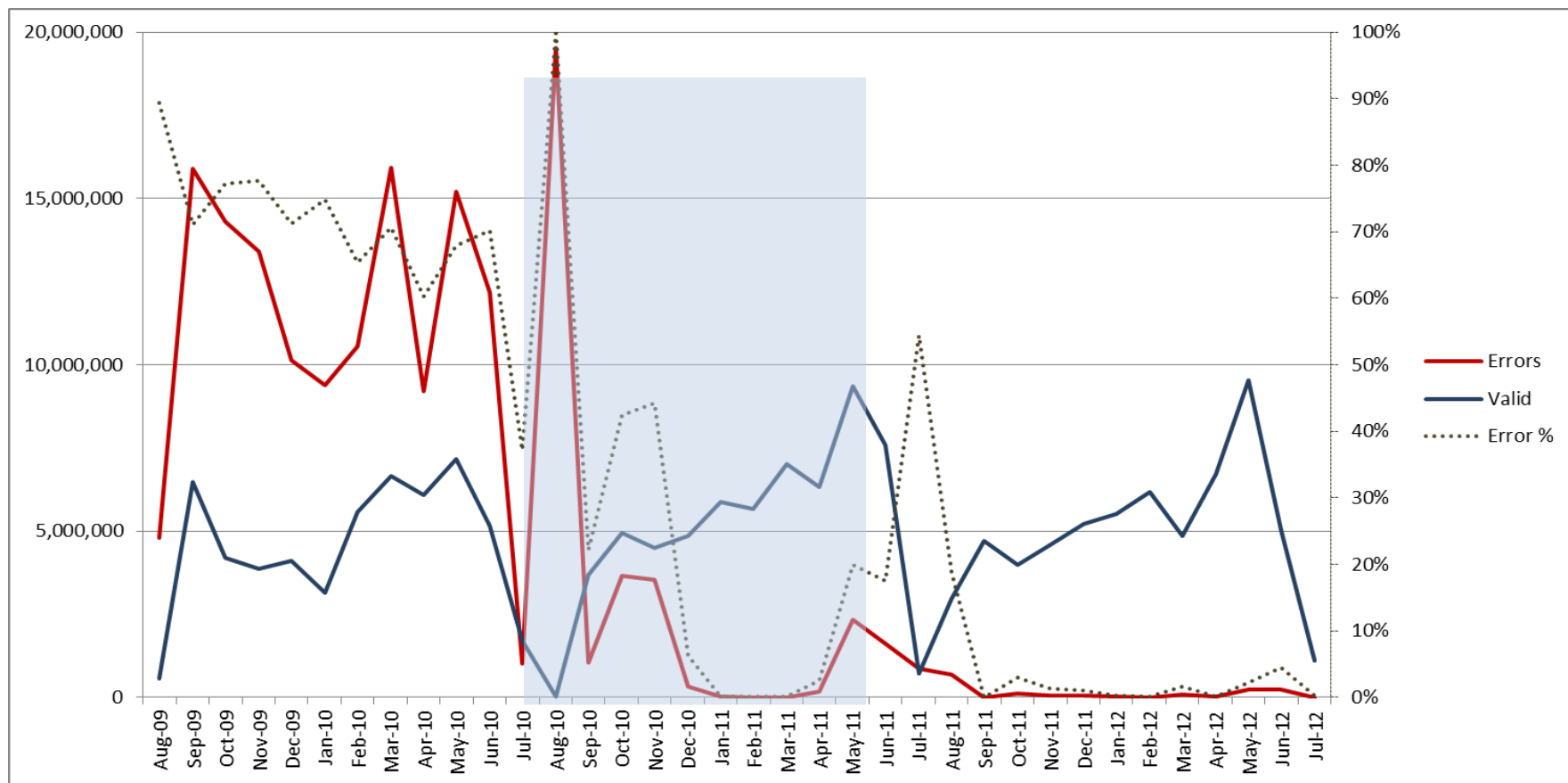
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Impact of poor data quality

09-10: 27% valid transactions (145M errors)
10-11: 65% valid transactions (33M errors)
11-12: 96% valid transactions (2.3M errors)
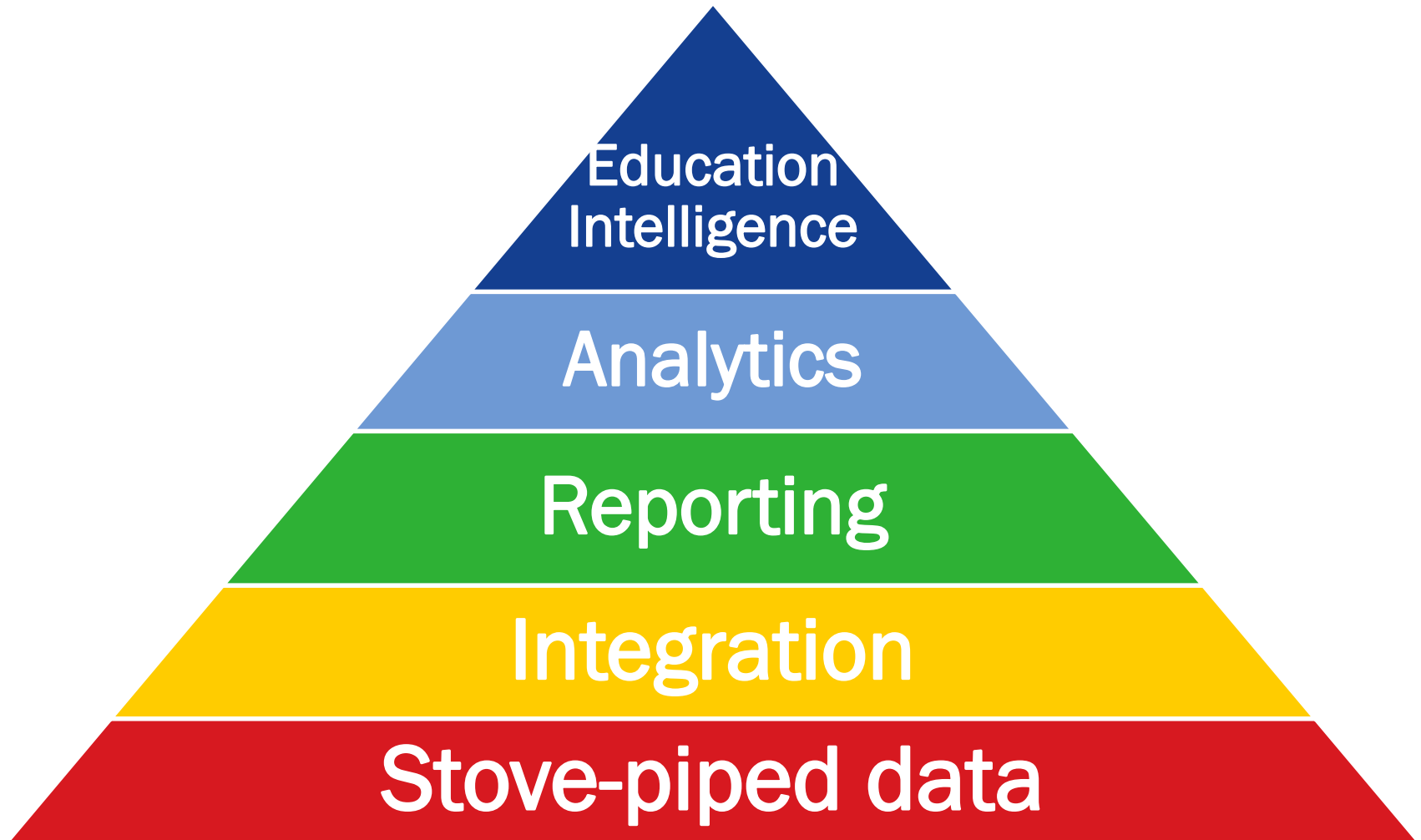
96% is not Good Enough

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We lost our roadmap

137 Databases

8869 Tables

Student Details : 13 Copies

2,452,881	2,384,226
2,452,796	2,307,369
2,452,719	2,196,103
2,452,578	2,085,684
2,445,290	2,065,491
2,435,644	1,919,985
2,421,278	

6 Copies on our Primary Production Server

Data hierarchy of needs

FY2013
THE MISSION FORWARD

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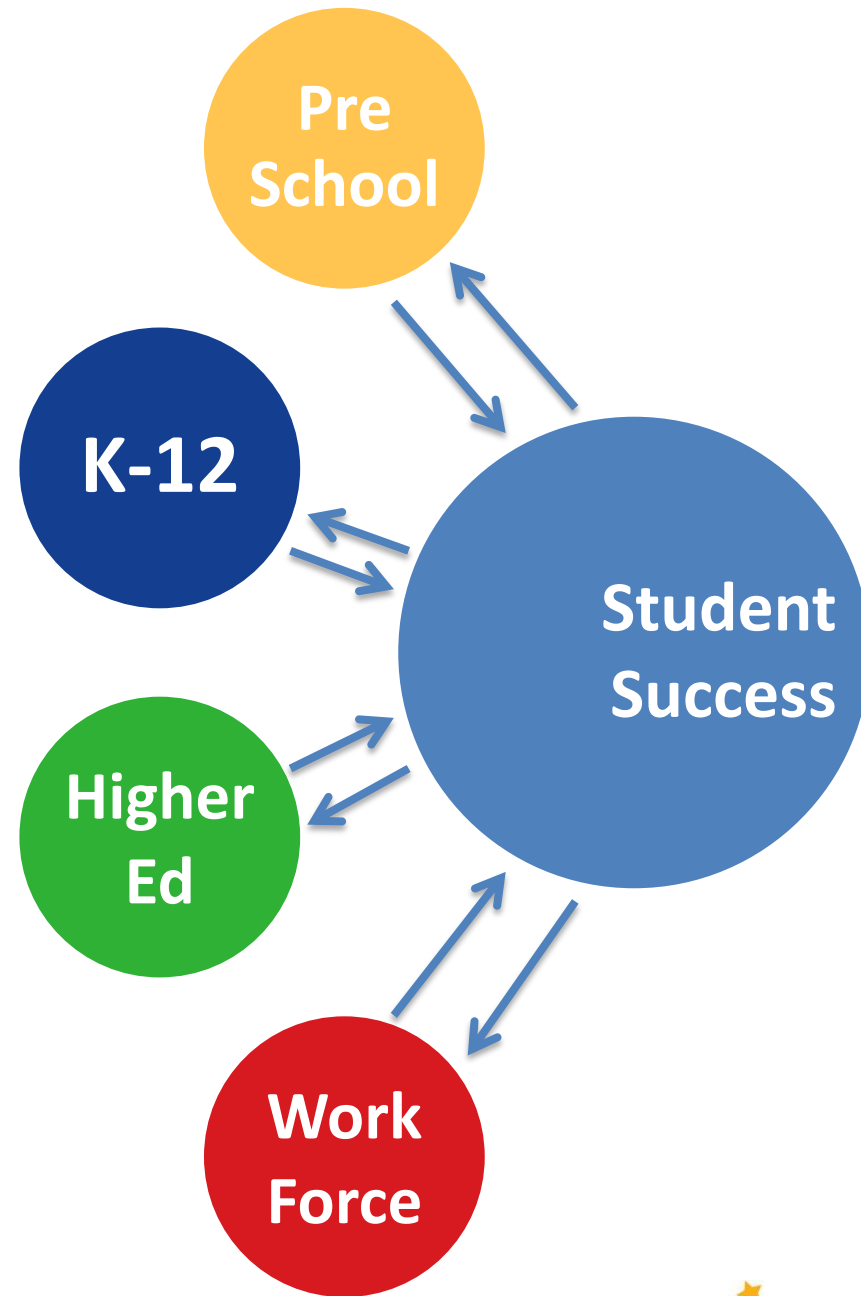
Education Intelligence = Cost effective systems that can provide answers to questions that cannot even be conceived today

Pre School

K-12

Higher Ed

Work Force

Student Success

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Highlight of the journey

What will ADE IT be accomplishing this year?

- Outline path to begin execution of long-term, cost-effective statewide data system

- Begin to ensure accurate student payments

- Create reliable, integrated technology services

- Provide LEAs access to full picture view of ADE student data

- Provide tools for teachers to grow student success
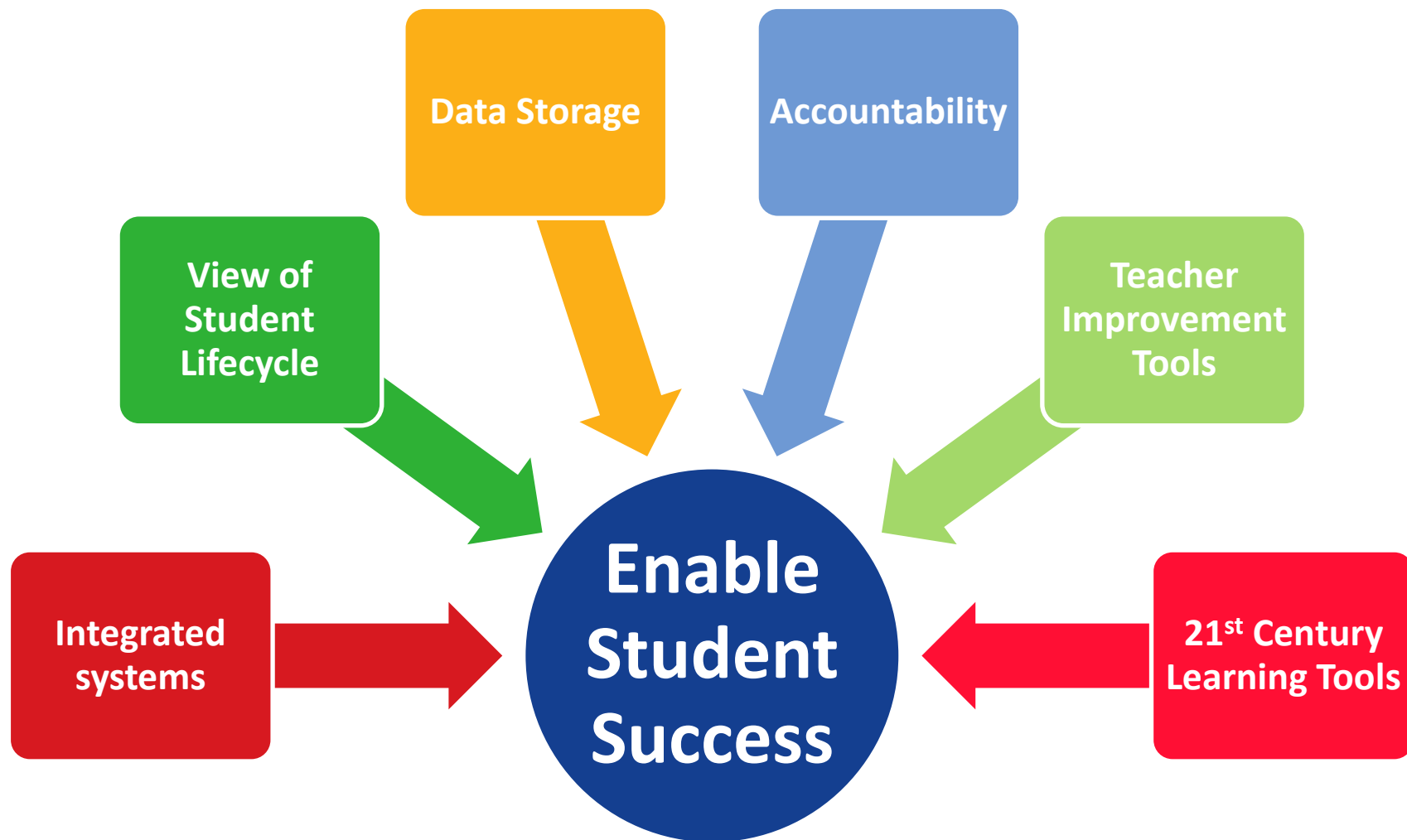
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AELAS Business Case

Goal: Outline path to begin execution of long-term, cost-effective statewide data system

- Based on research and cost-benefit analysis
  - Survey of current landscape complete

- Outline state LEA and ADE IT benefits

- Demonstrate feasibility of proposed options

What LEAs tell us they want

SAIS Phase I Replacement

Goal: Begin to ensure accurate student payments

- Begin build of new SAIS payment system
  - Ensuring accurate payments
  - Efficient, automated payments process

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Improve internal ADE programs

Goal: Create reliable, integrated technology services

- Opt-in statewide SIS

- Build or buy new Unique Student ID system
  - Reduce LEA administrative overhead
  - Accuracy of data necessary for payment processing

- Fully fund Network and Operations to ensure ADE's ability to support AELAS

- Implement online certification, grants management upgrades

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ED³S (SLDS) Pilot launch

Goal: Provide LEAs access to full picture view of ADE student data

- Department of Education $4.9M grant

- Race to the Top grant funding for Student/Teacher/Course Connection
  - Cornerstone for all longitudinal efforts
  - Complete Dec 2012

- Using Georgia SLDS as a model

- View of Student Lifecycle
- Teacher Improvement Tools
- 21st Century Learning Tools
- Integrated systems

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Instructional improvement system

Goal: Tools for teachers to grow student success

- Technology-based tools providing teachers, principals and administrators with actionable data

- Systemically manages continuous instructional improvement

- Promotes collaborative problem-solving and action planning

- Integrates instructional data with student-level data

- Provides early warning indicators of a student's risk of educational failure

Excellent teachers, Successful students

- College and career-ready K-12 graduates
  - Reading by 3rd grade

- A highly-educated, successful workforce
  - Increasing high school graduation rates

- Exceeding expectations in all categories
  - Increasing college degrees

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Professional Development

Scheduling/registration

Growth planning

Course management

Archiving of webinars/videos

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EVALUATION AND COACHING

Coaching Tools

Evaluation

Multiple Model Frameworks

Survey

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ASSESSMENT

Aligned content banks

Authoring capabilities

Delivery, scoring, reporting options

Integration

CONTENT/CURRICULUM

Internal & External

Standards management

Alignment

Collaboration

Questions

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Student-Teacher-Course Connection Overview

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Student-Teacher-Course Connection

Program Overview

- Why are we doing this?

- STC-at-a-Glance

  - Phase I

  - Phase II

  - Phase III

- FAQs

- Next Steps

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Why are we doing this?

American Recovery and Reinvestment Act (ARRA)-2009

- "Saving and Creating Jobs and Reforming Education"
  - State Fiscal Stabilization Fund (SFSF) –
    - *College and Career Readiness Standards/Assessments
    - *Improved Data Systems
    - *Teacher effectiveness
    - *Support for low-performing schools
- For complete breakdown of funds and requirements, please visit: http://www2.ed.gov/policy/gen/leg/recovery/implementation.html

Common Terms

- **ARRA** – American Recovery and Reinvestment Act (2009)
- **SFSF** - State Fiscal Stabilization Fund
- **STC** - Student-Teacher-Course Connection
- **SRM** – State Report Manager
- **CourseWalk –** ADE course mapping tool
- **Stakeholder ID**
- **SIS/Vendor** – Student Information System
- **Trial -** SRM file submission

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Getting your system ready for STC

- Phase I – CourseMapping
  - Local course codes = AZ state course codes
    - CourseWalk Application
    - Student-Information-System (SIS)

- Phase II – SIS configuration
  - Configuration of SIS system ensures that data extract can be submitted to state in the required format, containing the required data
    - SIS Vendors
      - Working with ADE
      - Contact them ASAP

Making the STC magic happen

- Phase III – Data Submission Window
  - District file

  - 40th day, 100th day and EOY (windows of submission)
    - 40th day = Mid-September – Mid-December
    - 100th day = TBD
    - EOY = TBD

  - File extract created by SIS is uploaded into State Report Manager application

Phase I - Course Mapping

- Apples to Apples

- Two options
  - **CourseWalk** – ADE supplied application to all LEAs
    - Materials = Templates

  - **Student-Information-System** (SIS) – utilizing LEA's SIS to directly input AZ course codes
    - Materials = AZ State Course Catalog

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Phase I: Choosing CourseWalk

- I heard there are two options to map my Local courses to AZ course codes. What are the advantages of each?

  - CourseWalk
    - AutoMapping feature provides mapping recommendations based on local course titles and descriptions.
    - AZ Course Catalog is mapped to SCED, inherently mapped to SCED.
    - Creates and maintains a local course catalog
    - Instant access to AZ catalog changes = auto update
    - Validation identifies duplicates and missing information.

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Phase I: Choosing my SIS

- I heard there are two options to map my Local courses to AZ course codes. What are the advantages of each?

  - Input of codes directly into the SIS
    - Bypasses learning a new software application
    - Creates opportunities for central location for important information (internal and state reporting)

Translating my data to ADE

- Input of required data into SIS
  - Materials = Collection Specifications
    - Outlines the WHAT of the STC data collection

- Create 2 extract files
  - Course Sections
  - Student Section Enrollments

More about educator stakeholder ID

- Unique 16 digit code assigned to all AZ certified staff
- Validate ALL teachers exist in HQT (Core and non-Core)
- Where do I find the Educator Stakeholder ID?
  - Highly Qualified Teacher application
  - Select individuals per district have access (HR, Superintendents, Principals)
- The specifications say 16 characters, but the ID contains dashes. Now what?
  - Updates to SRM and specifications

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Educator stakeholder ID and SRM

Educator Stakeholder ID

- Educator Stakeholder ID
- First Name
- Last Name

No Educator Stakeholder ID

- LEA Entity ID
- First Name
- Last Name
- Middle Initial
- Birthdate

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FAQ

- How does my SIS vendor factor into this process?

    – Vendors are extremely important for this new state report

        - Offer direction on location and method of input for new reporting items
        - Provide expertise on specific vendor solution to STC requirements
        - Assist in the process of creating extract file

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Phase III – SRM Submission

- State Report Manager (SRM)
  - Obtain login credentials from STC team
    - Name
    - Email
    - User Type

- Submit 2 files

- Correct errors in SOURCE

- Resubmit

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How do I correct my errors?

- Finding and understanding the error report

- Errors vs warnings

- Developing your plan of attack

4 districts have successfully uploaded and certified their 40th day STC files

Next steps...

1. Phase I - District decision on course mapping
   a. CourseWalk
      - Local Course Codes = AZ State Course Catalog
      - Send email to stconnection@azed.gov to request login credentials
      - Map Courses
   b. SIS
      - Contact SIS ASAP to determine appropriate steps
      - Enter course codes into SIS
      - Send email to stconnection@azed.gov to inform of decision

Next steps...

2. Phase II – SIS Configuration

- Contact SIS vendor ASAP to understand changes within system

- Schedule 2012-2013 school year using the required data
  - ❖ Download and read Collection Specifications
    - http://www.azed.gov/racetothetop/stc/stcresources/

3. Phase III – Data Submission

- 40th day submission

We are here to help!

- Single Point of Contact
  - stconnection@azed.gov
  - 602-542-7378; Option 2
- Website
  - www.azed.gov/racetothetop/stc
  - FAQ's
  - Training Videos
  - Ongoing Webinars
  - Documentation Library
- Project Team
  - ADE
  - ESP

Questions

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